Title: DRUG DELIVERY FROM RAPID GELLING POLYMER COMPOSITION

Inventors: David M. Gravett et al. Express Mail No.: EV336617067US Docket No.: 110129.434

$$(COCH_2)_2N-O-CO-(CH_2)_3-CO-(OCH_2CH_2)n \\ (COCH_2)_2N-O-CO-(CH_2)_3-CO-(OCH_2CH_2)n \\ (COCH_2)_2N-O-CO-(CH_2)_3-CO-(OCH_2CH_2)n \\ (CH_2CH_2O)n-CO-(CH_2)_3-CO-O-N(COCH_2)_2 \\ (CH_2CH_2O)n-CO-(CH_2)_2 \\ (CH_2CH_2O)n-CO-(CH_2O)_2 \\ (CH_2CH_2O)n-CO-(CH_2O)_2 \\ (CH_2CH_2O)n-CO-(CH_2O)_2 \\ (CH_2CH_2O)n-CO-(CH_2O)_2 \\ (CH_2CH_2O)_2$$

$$-N(COCH_2)_2$$
 = $N-$

Figure 1

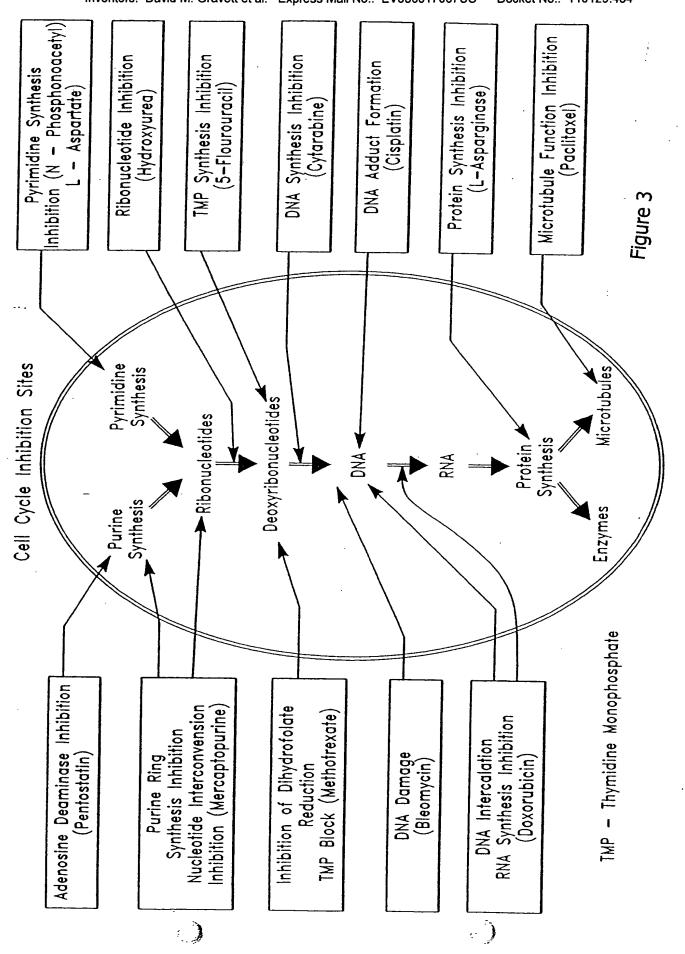
$$(1) R-O-\overset{\circ}{C}-(CH_2)_3-\overset{\circ}{C} \qquad (7) R-\overset{\circ}{C}-S-\overset{\circ}{\bigcirc}-NO_2$$

$$CH_3-\overset{\circ}{C} \qquad (8) R-\overset{\circ}{C}-O-\overset{\circ}{\longleftarrow} \stackrel{F}{F}$$

$$(2) R-O-\overset{\circ}{C}-(CH_2)_3-\overset{\circ}{C} \qquad (9) R-\overset{\circ}{C}-O-CH-\overset{\circ}{C} \qquad (10) R-\overset{\circ}{C}-O-N)$$

$$(3) R-O-\overset{\circ}{C}-(CH_2)_3-\overset{\circ}{C} \qquad (11) R-\overset{\circ}{C}-O-N) \overset{\circ}{C} \overset{\circ}{C} \stackrel{\circ}{C} \stackrel{\circ}$$

Figure 2



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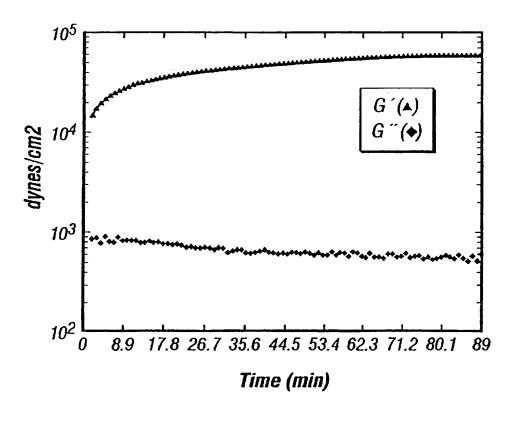


Figure 4

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$$\begin{array}{ccc}
& 10 & 11 \\
\downarrow & 12 \\
PEG_{X3} & 1 \\
PEG_{Y_4} + 4[PEG_{X_4}] \longrightarrow 8 \xrightarrow{7} & 27 \\
7 & PEG_{X_3} & 37 \\
6 & 5 & 4
\end{array}$$

Figure 5B

FIGURE 6

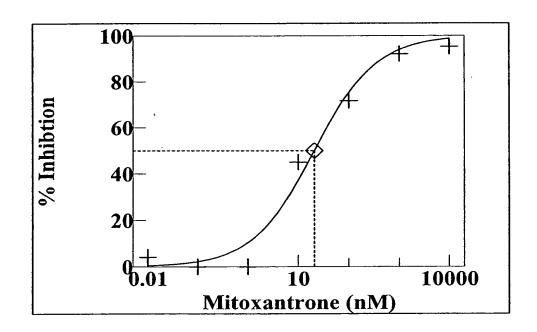
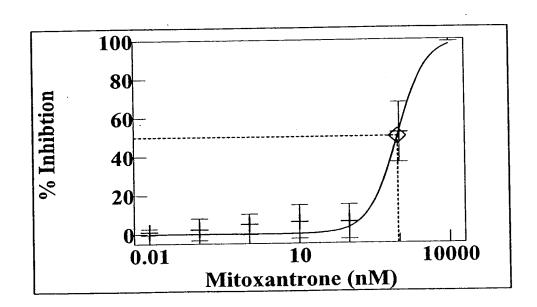


FIGURE 7



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FIGURE 8

